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AFRL awards two contracts to Integrated Sensors Inc.

by Fran Crumb, Information Directorate

ROME, N.Y. — The Air Force Research Laboratory's Information Directorate has awarded two contracts, with a combined value in excess of $1 million, to Integrated Sensors Inc. of Utica

The first contract, "SAMI Based Fusion System," is valued at $744,082. The two-year agreement was awarded under the federal Small Business Innovative Research (SBIR) program.

"Integrated Sensors researchers will continue to develop a novel Synthetic Aperture Motion Indicator (SAMI) system with foliage penetration capability," said Jon S. Jones, program manager in the directorate's Information and Intelligence Exploitation Division. "This system will enhance current physical-aperture moving target indication (MTI) capability by detecting much slower targets than typical ground moving target indication (GMTI) radars, as well as produce synthetic aperture radar images of moving targets."

"The detection of slower moving targets substantially facilitates continuous tracking during a target's maneuvers," said Jones. "In addition, the imaging of moving targets will provide a tightly coupled tracking and target identification capability.

The company's previous research under this program clearly demonstrated the capability of this system to detect very slow moving targets while canceling nonmoving targets and ground clutter."

The results of this slow-moving-target, foliage-detection capability will be fused into a systems-of-systems architecture to demonstrate the improvements in conjunction with current intelligence, surveillance and reconnaissance (ISR) systems.

The second two-year contract, "Advanced ISR Management Node," is valued at $308,520.

"This effort will develop an on-line Advanced Integrated Management Node capable of interfacing and managing adaptive sensor fusion (ASF)-integrated systems with existing communication links and their data formats, said program manager James A. McNeely. "Emphasis will be placed on smart data access and transfers using realistic communication link bandwidths, and current real-world data formats." **@**